MISSISSIPPI STATE UNIVERSI

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INSTITUTE FOR ENVIRONMENTAL STUDIES

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December 8, 1972

E7.2-10.3.12 CR-12956/

NASA Scientific and Technical Information Facility Attention: (Earth Resources) P.O. Box 33 College Park, Maryland

Gentlemen:

This letter constitutes a Type I progress report as called for in Article II of the NASA contract document NAS5-21881.

- This report concerns ERTS-A proposal NASA control no. SR-097 having the title: Application of ERTS-A Data to Agricultural Practices in the Mississippi Delta Region.
- The principal investigator is C. W. Bouchillon, Ph.D. Principal Investigator - UN023 Mississippi State University Drawer GH Mississippi State, Mississippi 39762
- At this time there are no problems impeding the progress of the investigation.
- This section of the report, covering the period ending November 30, 1972, will be covered in three sections: Data Management, II. Ground Truth, III. Application of ERTS DATA to Potential Users.

Ι. Data Management

This phase of the contract includes scheduling of personnel efforts for ground truth collection and coordination of the use of the computer maps to be produced by NASA-MTF-ERL by the Cooperative Extension Service personnel. Preliminary plans for data acquisition have been made. Instrumentation for ground truth has been ordered.

The photographic data received to date is undergoing some basic analysis to determine the possibility of its use in digital form by NASA-MTF-ERL facility. A rough analysis of the data is compiled to provide this assessment and to give NASA an idea of when the data is received by Mississippi State personnel and how we view the data's

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usefulness based upon the synoptic analysis of the MSS photography. The Data Inventory Sheet and the Data Analysis Log are attached to this report.

II. Ground Truth

This phase is still in the embryonic stage and has been covered in Section I.

III. Application of ERTS DATA to Potential Users

This section will not be activated until data in the project preliminary planning is underway.

- (e) No significant results have been obtained during this period.
- (f) No papers or publications have been released during this period.
- (g) No recommendations are offered at this time.
- (h) There are no changes in standing order forms.
- (i) There are no description forms for this period.
- (j) All digital data for this project is obtained through NASA-MTF-ERL. There are no request forms filed specifically for this project.
- (k) There is no other information to report at this time.

Sincerely,

C. W. Bouchillon

Director

CWB/mjr

Enclosure

DATA ANALYSIS LOG Delta Data Log

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